

Converting Colors

$Y_{xy}(40.4538, 0.3949, 0.2786)$

Have a look what the booklet for
Yxy(40.4538, 0.3949, 0.2786)
contains.

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Color

Yxy(40.4799, 0.3948, 0.2786)

Conversions

Conversions Part 1

Format	Color
Hex	FF82B3
RGB	255, 130, 179
RGB Percent	100%, 51%, 70%
CMY	0.0000, 0.4902, 0.2979
CMYK	0.00, 0.49, 0.30, 0.00
HSL	336°, 100%, 75%
HSV	336°, 49%, 100%
XYZ	57.3635, 40.4799, 47.4542
YIQ	172.9610, 58.7710, 41.7390

Conversions

Conversions Part 2

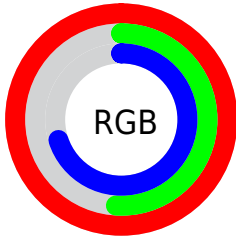
Format	Color
R _Y B	255, 130, 179
Decimal	16745139
CIE Lab	69.81, 52.67, -3.69
CIE LCh	70, 52.799, 355.995
Yxy	40.4799, 0.3948, 0.2786
Android (android.graphics.Color)	4294935219 (0xFFFF82B3)
YUV	172.9610, 2.9772, 71.9482
Hunter-Lab	63.6238, 49.5946, 0.3149

Details

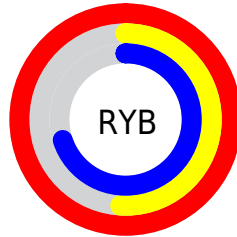
The Yxy color **40.4799, 0.3948, 0.2786** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.7203, 0.2700, 0.3884**, and the grayscale version is **41.7308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3760, 0.3310, 0.2798**, and **18.2773, 0.4189, 0.2654** is the 20% darker color. If you saturate the color by 10%, you get **33.9247, 0.4216, 0.2703**, and if you desaturate by 10%, it is **48.7877, 0.3717, 0.2885**.

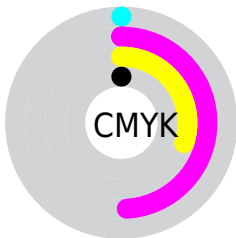
Distribution



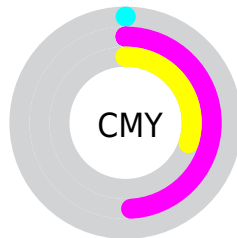
- Red (100%)
- Green (51%)
- Blue (70%)



- Red (100%)
- Yellow (51%)
- Blue (70%)



- Cyan (0%)
- Magenta (49%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4799, 0.3948, 0.2786 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.4799, 0.3948, 0.2786 by changing the saturation by 10% instead.

 40.4799, 0.3948,
0.2786

 40.4799, 0.3948,
0.2786


348.1421, 0.3532,
0.3038

 27.9129, 0.4053,
0.2723


 75.8937, 0.3796,
0.2877

 18.2600, 0.4188,
0.2644


 99.5094, 0.3739,
0.2912

 11.1368, 0.4369,
0.2538


 127.5767, 0.3691,
0.2941

 6.1589, 0.4621,
0.2392

160.4801, 0.3650,
0.2966

 2.9420, 0.4997,
0.2179

198.6039, 0.3615,
0.2987

 1.1015, 0.5607,
0.1844

242.3326, 0.3584,

 0.0000, 0.8509,

0.3006

0.0000

292.0506, 0.3556,
0.3023

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4799, 0.3948,
0.2786

■ 40.4799, 0.3948,
0.2786

■ 33.9247, 0.4216,
0.2703

■ 48.7877, 0.3717,
0.2885

■ 28.9910, 0.4514,
0.2650

■ 58.9614, 0.3522,
0.2992

■ 25.5326, 0.4830,
0.2639

■ 71.1077, 0.3360,
0.3099

■ 23.3758, 0.5143,
0.2680

■ 85.3243, 0.3226,
0.3202

■ 22.2645, 0.5431,
0.2771

100.0000, 0.3127,
0.3290

■ 22.1806, 0.5458,
0.2781

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.4799, 0.3159, 0.2376



40.4799, 0.3948, 0.2786



40.4799, 0.4522, 0.3312

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.4799, 0.3948, 0.2786



40.4799, 0.3686, 0.4708



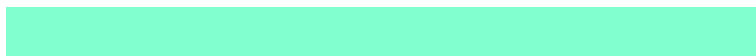
40.4799, 0.1802, 0.2433

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.4799, 0.3948, 0.2786



80.7203, 0.2700, 0.3884

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.4799, 0.1900, 0.3018



40.4799, 0.3948, 0.2786



40.4799, 0.2948, 0.4525

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.4799, 0.3948, 0.2786



40.4799, 0.4314, 0.4405



40.4799, 0.2298, 0.3833



40.4799, 0.1989, 0.2156

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4799, 0.3948, 0.2786



40.4799, 0.4659, 0.3691



40.4799, 0.2298, 0.3833



40.4799, 0.1802, 0.2594

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.4807, 0.3948, 0.2786



76.5691, 0.3303, 0.3141



36.1638, 0.2749, 0.1942



15.7670, 0.3332, 0.3119



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4807, 0.3948, 0.2786



33.9364, 0.4215, 0.2704



42.3663, 0.4445, 0.3423



18.1051, 0.3232, 0.3197



11.6171, 0.5416, 0.2757



1.1518, 0.5112, 0.2590

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.4807, 0.3948, 0.2786



33.9364, 0.4215, 0.2704



75.7679, 0.2454, 0.3143



18.1051, 0.3232, 0.3197



11.6171, 0.5416, 0.2757



1.1518, 0.5112, 0.2590

Previews

White Background



This preview shows how the Yxy color 40.4799, 0.3948, 0.2786 looks on a white background.

Color Contrast Check

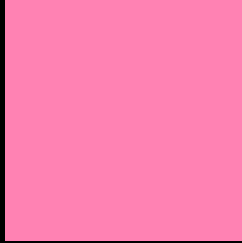
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.4799, 0.3948, 0.2786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4799, 0.3948, 0.2786

Background



This preview shows how black text looks on a background with the Yxy color 40.4799, 0.3948, 0.2786.



This preview shows how white text looks on a background with the Yxy color 40.4799, 0.3948, 0.2786.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.4799, 0.3948, 0.2786

Protanopia

41.0016, 0.2809, 0.2838

Deuteranopia

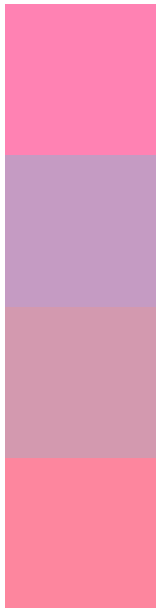
40.7287, 0.3253, 0.3198



Tritanopia

40.3791, 0.4275, 0.3188

Trichromacy



Original Color

40.4799, 0.3948, 0.2786

Protanomaly

39.2531, 0.3170, 0.2790

Deuteranomaly

39.7265, 0.3497, 0.3021

Tritanomaly

40.4015, 0.4156, 0.3041

Monochromacy



Original Color

40.4799, 0.3948, 0.2786

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

39.9056, 0.3411, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4799, 0.3948, 0.2786 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 130, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 179)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 130, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 179) }
```

Border

The CSS property to change the border of an element to Yxy 40.4799, 0.3948, 0.2786 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 130, 179) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 130, 179) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 130, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4799, 0.3948, 0.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 179) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
130, 179) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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